

## Extra Credit Option - Table of Ions

Memorize the following table of ions over the break and take the ion quiz early (1/3/12) to earn a possible 25/20. Essentially, 5 points will be added to your actual score. Even if you would rather do a different project for extra credit, you can take the quiz early for practice or for credit. In this case, no extra points will be awarded.

### Table of Ions

Cations				
	1+	2+	3+	4+
Monatomic	Lithium (Li) Sodium (Na) Potassium (K) Silver (Ag)	Beryllium (Be) Magnesium (Mg) Calcium (Ca) Zinc (Zn)	Aluminum (Al)	
Stock System	Copper (I) (Cu)	Copper (II) (Cu) Iron (II) (Fe) Cobalt (II) (Co) Chromium (II) (Cr) Tin (II) (Sn) Lead (II) (Pb)	Iron (III) (Fe) Cobalt (III) (Co) Chromium (III) (Cr)	Tin (IV) (Sn) Lead (IV) (Pb)
Polyatomic	Ammonium (NH <sub>4</sub> )			
Anions				
	1-	2-	3-	
Monatomic	Fluoride (F) Chloride (Cl) Bromide (Br) Iodide (I)	Oxide (O) Sulfide (S)	Nitride (N) Phosphide (P)	
Polyatomic	Nitrate (NO <sub>3</sub> ) Nitrite (NO <sub>2</sub> ) Hydroxide (OH) Cyanide (CN) Chlorate (ClO <sub>3</sub> ) Chlorite (ClO <sub>2</sub> ) Bromate (BrO <sub>3</sub> ) Iodate (IO <sub>3</sub> ) Perchlorate (ClO <sub>4</sub> ) Acetate (C <sub>2</sub> H <sub>3</sub> O <sub>2</sub> )	Carbonate (CO <sub>3</sub> ) Sulfate (SO <sub>4</sub> ) Sulfite (SO <sub>3</sub> ) Chromate (CrO <sub>4</sub> ) Dichromate (Cr <sub>2</sub> O <sub>7</sub> )	Phosphate (PO <sub>4</sub> ) Phosphite (PO <sub>3</sub> ) Arsenite (AsO <sub>4</sub> )	